

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

| RD2062 | Overall LMA Rating | Total LMA Miles | * Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A. | | | | | |
|--|------------------------|------------------|---|-------------|-------------|---------|------------------------------|---------|
| Reclamation District No. 2062 Stewart | M * | 12.14 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Animal Control | 0.01 | | 0.01 | 0.08% | | | | |
| Erosion / Bank Caving | 0.02 | | 0.02 | 0.17% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR Erosion Survey | 0.03 | 0.20 | 0.83 | 6.84% | | | | |
| DWR UCIP Field Study | | | | | 0.13 | 0.03 | | |
| <i>LMA Totals:</i> | 0.06 | 0.20 | 0.86 | 7.08% * | 0.13 | 0.03 | 0.00 | 0.00 |
| Unit No. 01 San Joaquin River LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| RD2062 | A | 2.64 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Animal Control | 0.01 | | 0.01 | 0.38% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.03 | | | |
| <i>Unit Totals:</i> | 0.01 | 0.00 | 0.01 | 0.38% | 0.03 | 0.00 | 0.00 | 0.00 |
| Unit No. 02 Paradise Cut RB | Overall Unit Rating | Total Unit Miles | | | | | | |
| RD2062 | A | 3.96 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.25% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.06 | 0.02 | | |
| <i>Unit Totals:</i> | 0.01 | 0.00 | 0.01 | 0.25% | 0.06 | 0.02 | 0.00 | 0.00 |
| Unit No. 03 Old River LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| RD2062 | M | 5.55 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.18% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR Erosion Survey | 0.03 | 0.20 | 0.83 | 14.96% | | | | |
| DWR UCIP Field Study | | | | | 0.04 | 0.01 | | |
| <i>Unit Totals:</i> | 0.04 | 0.20 | 0.84 | 15.14% | 0.04 | 0.01 | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| * Overall LMA Rating (Fall Only) | | | M | |

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

| Waterway | | | Bank | Unit Miles |
|--|-----------------------------------|---------------------------|-----------------------------------|---------------------------------|
| Unit No. 01 San Joaquin River | | | Left | 2.64 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 05/22/2014 - 05/22/2014 | | 11/21/2014 - 11/21/2014 | |
| DWR Inspector | Maksim Khashchuk | | Maksim Khashchuk | |
| Accompanied By | Michael Moncrief MBK Engineers | | Michael Moncrief MBK Engineers | |
| | Paul Gomes | | Lin Hale RD2062 | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 San Joaquin River | Left | 2.64 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|----|
| LM Start | | Rating ** | A | Issue No. | 2 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD2062_01_f_2013_2 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: The O&M Manual is available at the LMA's office. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|------------------------|------------|----|
| LM Start | | Rating ** | A | Issue No. | 5 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD2062_01_s_2013_5 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: Adequate flood fight supplies are available on-site. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|----|
| LM Start | | Rating ** | A | Issue No. | 8 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD2062_01_s_2013_8 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: The LMA has a flood fight emergency response plan. | | | | | |

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 San Joaquin River | Left | 2.64 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.91 | Rating ** | C | Issue No. | 7 |
| LM End | 0.91 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.804080 ° | 37.804080 ° |
| | | | | -121.314060 ° | -121.314060 ° |
| DWR ID | | | | | |

No Photos

| Action/Comments | | | | | |
|---|--|--|--|--|--|
| Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: This was repaired prior to the boat survey. No new erosion found at the site 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant change observed at the site. There is vegetation on the slope. There is a bridge construction site just upstream of the erosion. The impact of the construction may need to be monitored. 09/07/2010: No significant change observed on site. Sloughing of the existing rip rap revetment on the lower slope has developed into an erosion pocket. There is moderate annual grass growth on the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: Per Michael Moncrief of MBK, site is scheduled for repair this year. 2009: Landside ground surface has been raised to the height of the levee crown; sloughing of the existing rip rap revetment on the lower slope that has created a pocket, exposing underlying soil; Site # is the same RM54.34, LM1.08; previously rated "M". 2006: Previously marked with stake. [2014 Site ID:RD2062U01RM54.14] | | | | | |

| | | | | | |
|----------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 1 |
| LM End | 1.67 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.793521 ° | 37.793521 ° |
| | | | | -121.315348 ° | -121.315348 ° |
| DWR ID | DWR_RD2062_01 f_2014_1 | | | | |

No Photos

| Action/Comments | | | | | |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:22807 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks new.Pumps, pump house, and pipes removed from waterside.Land development activities going on in this area.Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 1 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013 | | | | | |

| | | | |
|--|--|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 San Joaquin River | Left | 2.64 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 3 |
| LM End | 1.67 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.793510 ° | 37.793510 ° |
| | | | | -121.315345 ° | -121.315345 ° |
| DWR ID | DWR_RD2062_01_f_2014_3 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:22809 EP_NO: 12679 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - All 3 pipes on landside looks newPumps, pump house, and pipes removed from watersideLand development activities going on in this areaNeeds to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 2 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013 | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 4 |
| LM End | 1.67 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.793497 ° | 37.793497 ° |
| | | | | -121.315340 ° | -121.315340 ° |
| DWR ID | DWR_RD2062_01_f_2014_4 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:22810 | | | | | |
| EP_NO: 12679 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - All 3 pipes on landside looks new. No pump associated with 8-inch pipe.Pumps, pump house, and pipes removed from waterside.Land development activities going on in this area.Needs to confirm from LMA or DWR Inspector about the crossing. | | | | | |
| FIELD_STRUCT_DESC: 3 of 3: one 8-inch pipe, two 16-inch pipes, and three electric conduits through the levee 8.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. Installed by the United States Army Corps of Engineers, 1961. (App. No. 12679) | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|------------------|
| Unit No. 01 San Joaquin River | Left | 2.64 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.83 | Rating ** | C | Issue No. | 11 |
| LM End | 1.83 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.791873 ° | 37.791873 ° |
| | | | | -121.313350 ° | -121.313350 ° |
| DWR ID | DWR_RD2062_01_s_2012_11 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.84 | Rating ** | C | Issue No. | 16 |
| LM End | 1.84 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.791887 ° | 37.791887 ° |
| | | | | -121.313178 ° | -121.313178 ° |
| DWR ID | DWR_RD2062_01_s_2012_16 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.85 | Rating ** | M | Issue No. | 12 |
| LM End | 1.85 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.791798 ° | 37.791798 ° |
| | | | | -121.312904 ° | -121.312904 ° |
| DWR ID | DWR_RD2062_01_s_2012_12 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_309_12_20141001_00005.jpg



View of a rodent hole on the waterside levee slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|---------------------|
| Unit No. 01 San Joaquin River | Left | 2.64 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.58 | Rating ** | A | Issue No. | 6 |
| LM End | 2.58 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.788659 ° | 37.788659 ° |
| | | | | -121.308829 ° | -121.308829 ° |
| DWR ID | DWR_RD2062_01_f_2014_6 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_309_6_20141124_00007.jpg



View of acceptable vegetation control.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

| Waterway | | | Bank | Unit Miles |
|--|-----------------------------------|---------------------------|-----------------------------------|---------------------------------|
| Unit No. 02 Paradise Cut | | | Right | 3.96 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 05/22/2014 - 05/22/2014 | | 11/21/2014 - 11/21/2014 | |
| DWR Inspector | Maksim Khashchuk | | Maksim Khashchuk | |
| Accompanied By | Michael Moncrief MBK Engineers | | Michael Moncrief MBK Engineers | |
| | Paul Gomes RD2062 | | Lin Hale RD2062 | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 4 |
| LM End | 0.58 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.784380 ° | 37.784380 ° |
| | | | | -121.338985 ° | -121.338985 ° |
| DWR ID | DWR_RD2062_02_f_2014_4 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23110 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Found on field with the help of USACE 2012 PI | | | | | |
| ReportNeeds proper abandonment. | | | | | |
| FIELD_STRUCT_DESC: Abandoned 24-inch steel pipe through the | | | | | |
| levee. Damaged siphon breaker on waterside levee slope. Pump on | | | | | |
| concrete sump on landside. Service pole on landside levee slope. | | | | | |
| Pump was disconnected from service pole. | | | | | |
| FS Date: 10/23/2013 | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.77 | Rating ** | M | Issue No. | 5 |
| LM End | 0.77 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.786130 ° | 37.786130 ° |
| | | | | -121.341564 ° | -121.341564 ° |
| DWR ID | DWR_RD2062_02_f_2014_5 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23181 | | | | | |
| EP_NO: 12427 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - no siphon breaker found levee toe erosion under walkway on waterside.erosion around concrete standpipe on landside- may be base of the standpipe was leaking. | | | | | |
| FIELD_STRUCT_DESC: 18-inch pipe through the levee 4.4 feet below the crown, pump house on the waterward slope, metal walkway from the pump house to the crown. Power pole on waterside. Flap gate and concrete distribution box on the landward slope. (App. No. 12427) | | | | | |
| FS Date: 10/23/2013 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.40 | Rating ** | M | Issue No. | 6 |
| LM End | 1.40 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.791821 ° | 37.791821 ° |
| | | | | -121.350448 ° | -121.350448 ° |
| DWR ID | DWR_RD2062_02_f_2014_6 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23062 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - pumphouse on concrete sump in the channel. | | | | | |
| erosion under walkway on waterside. | | | | | |
| FIELD_STRUCT_DESC: 20-inch pipe through the levee 8 feet below | | | | | |
| the crown. Pump house on the waterward slope and a metal walkway | | | | | |
| from the pump house to the crown. Flap gate, air vent, and concrete | | | | | |
| distribution box on the landward slope. | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | U | Issue No. | 7 |
| LM End | 1.67 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.794009 ° | 37.794009 ° |
| | | | | -121.354417 ° | -121.354417 ° |
| DWR ID | DWR_RD2062_02_f _ 2014_7 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23061 | | | | | |
| EP_NO: 4305 | | | | | |
| Repair Type: Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - missing roof in pump house.no protection for siphon breakerhuge erosion under pumphouse and levee slope on waterside. | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: Two 18-inch pipes through the levee 4.8 feet below the crown. Pump house on the waterward slope. Siphon breaker on the landward shoulder. Power pole on the landward shoulder. Concrete distribution box at the toe of the landward slope. (App. No. 4305) | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | U | Issue No. | 10 |
| LM End | 1.67 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.794014 ° | 37.794014 ° |
| | | | | -121.354434 ° | -121.354434 ° |
| DWR ID | DWR_RD2062_02_f_2014_10 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23059 | | | | | |
| EP_NO: 4305 | | | | | |
| Repair Type: Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - missing roof in pump house.no protection for siphon breakerhuge erosion under pumphouse and levee slope on waterside. | | | | | |
| FIELD_STRUCT_DESC: 2 of 2: Two 18-inch pipes through the levee 4.8 feet below the crown. Pump house on the waterward slope. Siphon breaker on the landward shoulder. Power pole on the landward shoulder. Concrete distribution box at the toe of the landward slope. (App. No. 4305) | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.04 | Rating ** | C | Issue No. | 12 |
| LM End | 2.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.797060 ° | 37.797060 ° |
| | | | | -121.359929 ° | -121.359929 ° |
| DWR ID | DWR_RD2062_02_s_2012_12 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comments: Burrow activity that appears to be active, no rodents seen. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.10 | Rating ** | C | Issue No. | 18 |
| LM End | 2.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.797558 ° | 37.797558 ° |
| | | | | -121.360815 ° | -121.360815 ° |
| DWR ID | DWR_RD2062_02_s_2012_18 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comments: Multiple large burrows, appears to be active. | | | | | |

No Photos

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

Reclamation District No. 2062 Stewart

No Photos

Photo 1 of 1 : FA_2014_RD2062_310_20_20141124_00022.jpg



View of acceptable vegetation control.

Photo 1 of 1 : FA_2014_RD2062_310_3_20141001_00003.jpg



Three small stumps on levee slope.

| * Location | ** Rating | + Issue Type |
|--|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable N : Not Inspected/Rated | Ma : Maintenance Deficiency |
| WS : Water Side | M : Minimally Acceptable C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable A/W : Acceptable but Monitor & Maintain | En : Enforcement |

Reclamation District No. 2062 Stewart

View of the tree stumps on the waterside levee slope.

Page 5 of 10

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 3.27 | Rating ** | C | Issue No. | 2 |
| LM End | 3.28 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.804604 ° | 37.804604 ° |
| | | | | -121.379454 ° | -121.379454 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 08/26/2014: The erosion was repaired. 08/28/2013: No significant change observed. 07/26/2012: Site was visited on 07/26/2012. No significant change observed. 09/02/2011: No significant change observed on site from last visit. 09/22/2010: No significant change observed on site. The fencing located on the berm was removed. Levee slope and berm area 10 feet from the levee toe are bare of any vegetation. The 1- to 2 feet of near-vertical scarp on the levee toe is unchanged. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, the district will address the site this year. 7/27/2009: 1 to 2 feet of near-vertical scarp on the levee toe; damage was most likely caused by agricultural equipment during clearing or tilling operation; this is a maintenance-related issue. [2014 Site ID:RD2062U02RM2.14] | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.30 | Rating ** | M | Issue No. | 11 |
| LM End | 3.30 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.804770 ° | 37.804770 ° |
| | | | | -121.379679 ° | -121.379679 ° |
| DWR ID | DWR_RD2062_02_f_2014_11 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23304 | | | | | |
| EP_NO: 11524 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - waterside pipe immersed into channel water. | | | | | |
| most of the pipe on landside exposed and siphon breaker on waterside not protected. | | | | | |
| FIELD_STRUCT_DESC: 1 of 3: One of 2x24-inch pipes through the | | | | | |
| levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet | | | | | |
| below the crown. Siphon breakers on waterward slope. Pump on steel | | | | | |
| platform in drainage ditch, 350 ft. from levee center off the the landward | | | | | |
| berm. (App. No. 11524) | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.30 | Rating ** | M | Issue No. | 16 |
| LM End | 3.30 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.804777 ° | 37.804777 ° |
| | | | | -121.379704 ° | -121.379704 ° |
| DWR ID | DWR_RD2062_02_f _ 2014_16 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23023 | | | | | |
| EP_NO: 11524 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - 18-inch pipe bifurcated near the pump and two gate valves installed.waterside pipe immersed into channel water.most of the pipe on landside exposed and siphon breaker on waterside not protected. | | | | | |
| FIELD_STRUCT_DESC: 2 of 3: 18-inch pipe through the levee 4.0 feet below the crown. 2x24-inch pipes through the levee 2.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. | | | | | |
| (App. No. 11524) | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.31 | Rating ** | M | Issue No. | 17 |
| LM End | 3.31 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.804787 ° | 37.804787 ° |
| | | | | -121.379734 ° | -121.379734 ° |
| DWR ID | DWR_RD2062_02_f _ 2014_17 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23305 EP_NO: 11524 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - no associated pump or any other appurtenances found on landside.looks abandoned pipe. Needs proper abandonment. FIELD_STRUCT_DESC: 3 of 3: One of 2x24-inch pipe through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. (App. No. 11524) FS Date: 10/22/2013 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 3.44 | Rating ** | C | Issue No. | 1 |
| LM End | 3.53 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.805422 ° | 37.805422 ° |
| | | | | -121.383173 ° | -121.383173 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 08/26/2014: The erosion was repaired. 08/28/2013: No significant change observed. 07/31/2012: Site was visited on 07/26/2012. No significant change observed. 09/02/2011: No significant change observed. 09/22/2010: No significant change observed. The foot-high near-vertical scarp still exists on levee toe. There is little to no vegetation on the slope. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be addressed this year. 07/27/2009: 1 to 2 feet of near-vertical scarp on levee toe; damage was most likely caused by farming equipment during clearing or tilling operation; this is a maintenance-related issue. [2014 Site ID:RD2062U02RM1.94] | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.45 | Rating ** | C | Issue No. | 41 |
| LM End | 3.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.805455 ° | 37.805455 ° |
| | | | | -121.382235 ° | -121.382235 ° |
| DWR ID | DWR_RD2062_02_s _ 2012_41 | | | | |
| Action/Comments | | | | | |
| Trim trees to at least five feet above ground level. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|------------------|
| Unit No. 02 Paradise Cut | Right | 3.96 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.68 | Rating ** | C | Issue No. | 9 |
| LM End | 3.68 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.806231 ° | 37.806231 ° |
| | | | | -121.386209 ° | -121.386209 ° |
| DWR ID | DWR_RD2062_02_s_2012_9 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |
| Inspector Comments: Small stump on slope. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.71 | Rating ** | M | Issue No. | 8 |
| LM End | 3.71 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.806347 ° | 37.806347 ° |
| | | | | -121.386692 ° | -121.386692 ° |
| DWR ID | DWR_RD2062_02_s_2014_8 | | | | |
| Action/Comments | | | | | |
| Schedule repair of erosion site prior to the next inspection. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_310_8_20141001_00004.jpg



View of the erosion from surface runoff on the waterside levee slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

| Waterway | | | Bank | Unit Miles |
|--|-----------------------------------|---------------------------|-----------------------------------|---------------------------------|
| Unit No. 03 Old River | | | Left | 5.55 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | M | |
| Date of Inspection | 05/22/2014 - 05/22/2014 | | 11/21/2014 - 11/21/2014 | |
| DWR Inspector | Maksim Khashchuk | | Maksim Khashchuk | |
| Accompanied By | Michael Moncrief MBK Engineers | | Michael Moncrief MBK Engineers | |
| | Paul Gomes | | Lin Hale RD2062 | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | -0.03 | Rating ** | U | Issue No. | 1 |
| LM End | 0.07 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.809673 ° | 37.809673 ° |
| | | | | -121.390321 ° | -121.390321 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: Site is at the upstream of a drainage ditch. [2014 Site ID:RD2062U03RM29.93] | | | | | |

Photo 1 of 1 : SJR2014_RD2062U03RM29.93_1.jpg



Front view of the erosion.

| | | | | | |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.08 | Rating ** | N | Issue No. | 3 |
| LM End | 0.08 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809727 ° | 37.809727 ° |
| | | | | -121.389100 ° | -121.389100 ° |
| DWR ID | DWR_RD2062_03_f_2012_3 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_311_3_20141001_00003.jpg



View of tree stumps on waterside slope.

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | U | Issue No. | 2 |
| LM End | 0.11 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.810052 ° | 37.810052 ° |
| | | | | -121.388847 ° | -121.388847 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree. [2014 Site ID:RD2062U03RM30.02] | | | | | |

Photo 1 of 1 : SJR2014_RD2062U03RM30.02_1.jpg



Front view of the site.

| | | | |
|--|--|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.17 | Rating ** | N | Issue No. | 6 |
| LM End | 0.17 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810194 ° | 37.810194 ° |
| | | | | -121.387602 ° | -121.387602 ° |
| DWR ID | DWR_RD2062_03_s_2012_6 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 4 |
| LM End | 0.18 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.810468 ° | 37.810468 ° |
| | | | | -121.387492 ° | -121.387492 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The protection at the levee toe has been washed away. [2014 Site ID:RD2062U03RM30.1] | | | | | |

Photo 1 of 1 : SJR2014_RD2062U03RM30.1_1.jpg



Direct view of the site.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.23 | Rating ** | U | Issue No. | 5 |
| LM End | 0.32 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.810609 ° | 37.810609 ° |
| | | | | -121.385879 ° | -121.385879 ° |
| DWR ID | | | | | |

Action/Comments

Inspector Comments: 07/02/2014: No significant change observed.
08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff.
08/07/2012: The site has been visited by boat survey. No significant change observed
08/23/2011: No significant change observed on site. Dense vegetation is visible along the water line.
09/07/2010: No significant change observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events.
08/06/2010: Recommended as local maintenance issue, per CLRO.
03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year.
09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of the site, per CLRO CES Evaluation 2008 Report; previously rated "M".
11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2014 Site ID:RD2062U03RM30.19]

Photo 1 of 1 : SJR2014_RD2062U03RM30.19_1.jpg



Front view of the site with dense vegetation.

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.35 | Rating ** | M | Issue No. | 8 |
| LM End | 0.35 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.811281 ° | 37.811281 ° |
| | | | | -121.384461 ° | -121.384461 ° |
| DWR ID | | | | | |

Action/Comments

Inspector Comments: 07/02/2014: No significant change observed.
08/13/2013: No significant change observed.
08/07/2012: The site has been visited by boat survey. No significant change observed
08/23/2011: The site is right at the downstream of a river bend. [2014 Site ID:RD2062U03RM30.27]

Photo 1 of 1 : SJR2014_RD2062U03RM30.27_1.jpg



Front view of the erosion.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

Reclamation District No. 2062 Stewart

No Photos

Photo 1 of 1 : SJR2014_RD2062U03RM30.43_1.jpg



Front view of the site. Rip rap no longer adequately protecting levee slope.

Page 4 of 15

Reclamation District No. 2062 Stewart

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.82 | Rating ** | A/W | Issue No. | 11 (cont) |
| LM End | 0.82 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.816315 ° | 37.816315 ° |
| | | | | -121.381587 ° | -121.381587 ° |
| DWR ID | DWR_RD2062_03_s_2012_11 | | | | |
| Action/Comments | | | | | |
| Schedule repair of erosion site prior to the next inspection. Inspector Comments: Cracking developing along the waterside levee hinge. | | | | | |

Photo 2 of 2 : FA_2014_RD2062_311_11_20141001_00011.jpg



View of slope erosion from foot traffic.

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.20 | Rating ** | U | Issue No. | 13 |
| LM End | 1.21 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.819290 ° | 37.819290 ° |
| | | | | -121.378880 ° | -121.378880 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant change observed on site. 09/07/2010: No significant change observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year. 09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12, LM1.25; previously rated "U". 09/14/2006: 1-2' into prism. [2014 Site ID:RD2062U03RM31.12] | | | | | |

Photo 1 of 1 : SJR2014_RD2062U03RM31.12_1.jpg



Front view of the site.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
| | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.37 | Rating ** | A/W | Issue No. | 18 |
| LM End | 1.37 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.820885 ° | 37.820885 ° |
| | | | | -121.376986 ° | -121.376986 ° |
| DWR ID | DWR_RD2062_03_s_2012_18 | | | | |
| Action/Comments | | | | | |
| Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush blocks visibility. | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2014_RD2062_311_18_20141001_00015.jpg



05/11/2011 Elderberry bush on water side slope.

| | | | | | |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.42 | Rating ** | U | Issue No. | 20 |
| LM End | 1.43 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.821380 ° | 37.821380 ° |
| | | | | -121.376900 ° | -121.376900 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant change observed on site. 09/07/2010: No significant change observed on site. There is a small-to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010. 09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M". 11/05/2008: Portion of rip rap collapsing. 09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree. [2014 Site ID:RD2062U03RM31.28] | | | | | |

Photo 1 of 1 : SJR2014_RD2062U03RM31.28_1.jpg



Front view of the site.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|---------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.52 | Rating ** | N | Issue No. | 14 |
| LM End | 1.52 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.821388 ° | 37.821388 ° |
| | | | | -121.374947 ° | -121.374947 ° |
| DWR ID | DWR_RD2062_03_s_2012_14 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | N | Issue No. | 15 |
| LM End | 1.67 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.820890 ° | 37.820890 ° |
| | | | | -121.372227 ° | -121.372227 ° |
| DWR ID | DWR_RD2062_03_s_2012_15 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_311_15_20141001_00014.jpg



View of the tree stump on the waterside levee slope.

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.78 | Rating ** | N | Issue No. | 16 |
| LM End | 1.78 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.820902 ° | 37.820902 ° |
| | | | | -121.370565 ° | -121.370565 ° |
| DWR ID | DWR_RD2062_03_s_2012_16 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.15 | Rating ** | A/W | Issue No. | 19 |
| LM End | 2.15 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.818645 ° | 37.818645 ° |
| | | | | -121.364894 ° | -121.364894 ° |
| DWR ID | DWR_RD2062_03_s_2012_19 | | | | |
| Action/Comments | | | | | |
| Pipe Inspector Comments: Irrigation intake. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_311_19_20141001_00016.jpg



View of the pump house on the waterside levee slope.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.81 | Rating ** | M | Issue No. | 27 |
| LM End | 2.81 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.816362 ° | 37.816362 ° |
| | | | | -121.354334 ° | -121.354334 ° |
| DWR ID | DWR_RD2062_03_f _ 2014_27 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23312 EP_NO: 2505 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pumphouse roof missing.siphon breaker buried by dirt in CMP riser2.25 inch electric conduit and power pole on landside. FIELD_STRUCT_DESC: 1 of 2: 14-inch and 16-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. Timber bulkhead and slab on the waterward slope. Timber bulkhead and slab on the waterward slope. Installed by the United States Army Corps of Engineers, 1963. (App. No. 2505) FS Date: 10/22/2013 | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|---------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.81 | Rating ** | M | Issue No. | 29 |
| LM End | 2.81 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.816362 ° | 37.816362 ° |
| | | | | -121.354339 ° | -121.354339 ° |
| DWR ID | DWR_RD2062_03_f_2014_29 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23311 | | | | | |
| EP_NO: 2505 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - pumphouse roof missing.siphon breaker buried by dirt in CMP riser2.25 inch electric conduit and power pole on landside. | | | | | |
| FIELD_STRUCT_DESC: 2 of 2: 16-inch and 14-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. (App. No. 2505) | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.83 | Rating ** | N | Issue No. | 22 |
| LM End | 2.83 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.816341 ° | 37.816341 ° |
| | | | | -121.354008 ° | -121.354008 ° |
| DWR ID | DWR_RD2062_03_s_2012_22 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.90 | Rating ** | N | Issue No. | 23 |
| LM End | 2.90 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.816330 ° | 37.816330 ° |
| | | | | -121.352775 ° | -121.352775 ° |
| DWR ID | DWR_RD2062_03_s_2012_23 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|---------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|-----------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.07 | Rating ** | N | Issue No. | 25 |
| LM End | 3.07 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.817791 ° | 37.817791 ° |
| | | | | -121.350088 ° | -121.350088 ° |
| DWR ID | DWR_RD2062_03_s _2012_25 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | |
|-----------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.14 | Rating ** | N | Issue No. | 26 |
| LM End | 3.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.818532 ° | 37.818532 ° |
| | | | | -121.349510 ° | -121.349510 ° |
| DWR ID | DWR_RD2062_03_s _2012_26 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

View of the tree stump on the waterside levee slope.

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.28 | Rating ** | A/W | Issue No. | 21 |
| LM End | 3.28 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.820166 ° | 37.820166 ° |
| | | | | -121.348077 ° | -121.348077 ° |
| DWR ID | DWR_RD2062_03_s _2014_21 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comments: LMA is actively controlling rodent population and is scheduling to backfill the holes prior to fall inspection. | | | | | |

View of the rodent holes on the waterside levee slope.

| * Location | ** Rating | + Issue Type |
|--|---|-----------------------------------|
| LS : Land Side N/A : Not Applicable | A : Acceptable N : Not Inspected/Rated | Ma : Maintenance Deficiency |
| WS : Water Side | M : Minimally Acceptable C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | U : Unacceptable A/W : Acceptable but Monitor & Maintain | En : Enforcement |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|---------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|-----------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.44 | Rating ** | C | Issue No. | 28 |
| LM End | 3.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.819172 ° | 37.819172 ° |
| | | | | -121.345760 ° | -121.345760 ° |
| DWR ID | DWR_RD2062_03_s _ 2012_28 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.80 | Rating ** | C | Issue No. | 53 |
| LM End | 3.80 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.817160 ° | 37.817160 ° |
| | | | | -121.340933 ° | -121.340933 ° |
| DWR ID | DWR_RD2062_03_s _ 2012_53 | | | | |
| Action/Comments | | | | | |
| Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comments: Beaver damaged a tree; remove from slope. | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.18 | Rating ** | C | Issue No. | 32 |
| LM End | 4.18 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.820688 ° | 37.820688 ° |
| | | | | -121.338483 ° | -121.338483 ° |
| DWR ID | DWR_RD2062_03_s _ 2014_32 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.20 | Rating ** | N | Issue No. | 33 |
| LM End | 4.20 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.820407 ° | 37.820407 ° |
| | | | | -121.338122 ° | -121.338122 ° |
| DWR ID | DWR_RD2062_03_s_2012_33 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.51 | Rating ** | C | Issue No. | 17 |
| LM End | 4.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.818027 ° | 37.818027 ° |
| | | | | -121.333612 ° | -121.333612 ° |
| DWR ID | DWR_RD2062_03_f_2012_17 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.82 | Rating ** | N | Issue No. | 7 |
| LM End | 4.82 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.813986 ° | 37.813986 ° |
| | | | | -121.335821 ° | -121.335821 ° |
| DWR ID | DWR_RD2062_03_s_2012_7 | | | | |
| Action/Comments | | | | | |
| Tree stumps. | | | | | |
| Inspector Comments: 14" stump on landside slope. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_311_7_20141001_00006.jpg



10/21/2011 Photo taken the next day. Stump can be seen in the lower center of the photo.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.83 | Rating ** | C | Issue No. | 43 |
| LM End | 4.83 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.812791 ° | 37.812791 ° |
| | | | | -121.336074 ° | -121.336074 ° |
| DWR ID | DWR_RD2062_03_s_2012_43 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.95 | Rating ** | M | Issue No. | 35 |
| LM End | 4.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.812225 ° | 37.812225 ° |
| | | | | -121.336112 ° | -121.336112 ° |
| DWR ID | DWR_RD2062_03_f_2014_35 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. Inspector Comments: 2 to 3 feet vertical cut possibly caused by previous floods. | | | | | |

Photo 1 of 1 : FA_2014_RD2062_311_35_20141001_00020.jpg



View of a 2-3 feet vertical cut at the landside levee toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.45 | Rating ** | M | Issue No. | 30 |
| LM End | 5.45 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.807305 ° | 37.807305 ° |
| | | | | -121.331290 ° | -121.331290 ° |
| DWR ID | DWR_RD2062_03_f_2014_30 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23142 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - siphon breakers not protected.flow meter and gage station on waterside.pump house on wooden pile structure. | | | | | |
| Walkway to the pumphouse. | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Siphon breakers on the landward slope. Concrete distribution box on landside berm. | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | |
|--|--|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2062 Stewart

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|---------------------|
| Unit No. 03 Old River | Left | 5.55 | 11/21/2014 11/21/2014 | Maksim Khashchuk |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.45 | Rating ** | M | Issue No. | 31 |
| LM End | 5.45 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.807305 ° | 37.807305 ° |
| | | | | -121.331276 ° | -121.331276 ° |
| DWR ID | DWR_RD2062_03_f_2014_31 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:23140 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: - siphon breakers not protected, flow meter and gage station on waterside pump house on wooden pile structure. Walkway to the pumphouse. | | | | | |
| FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Walkway to the pumphouse. Siphon breakers on the landward slope. Concrete distribution box on landside berm. | | | | | |
| FS Date: 10/22/2013 | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|